

Fig. 1

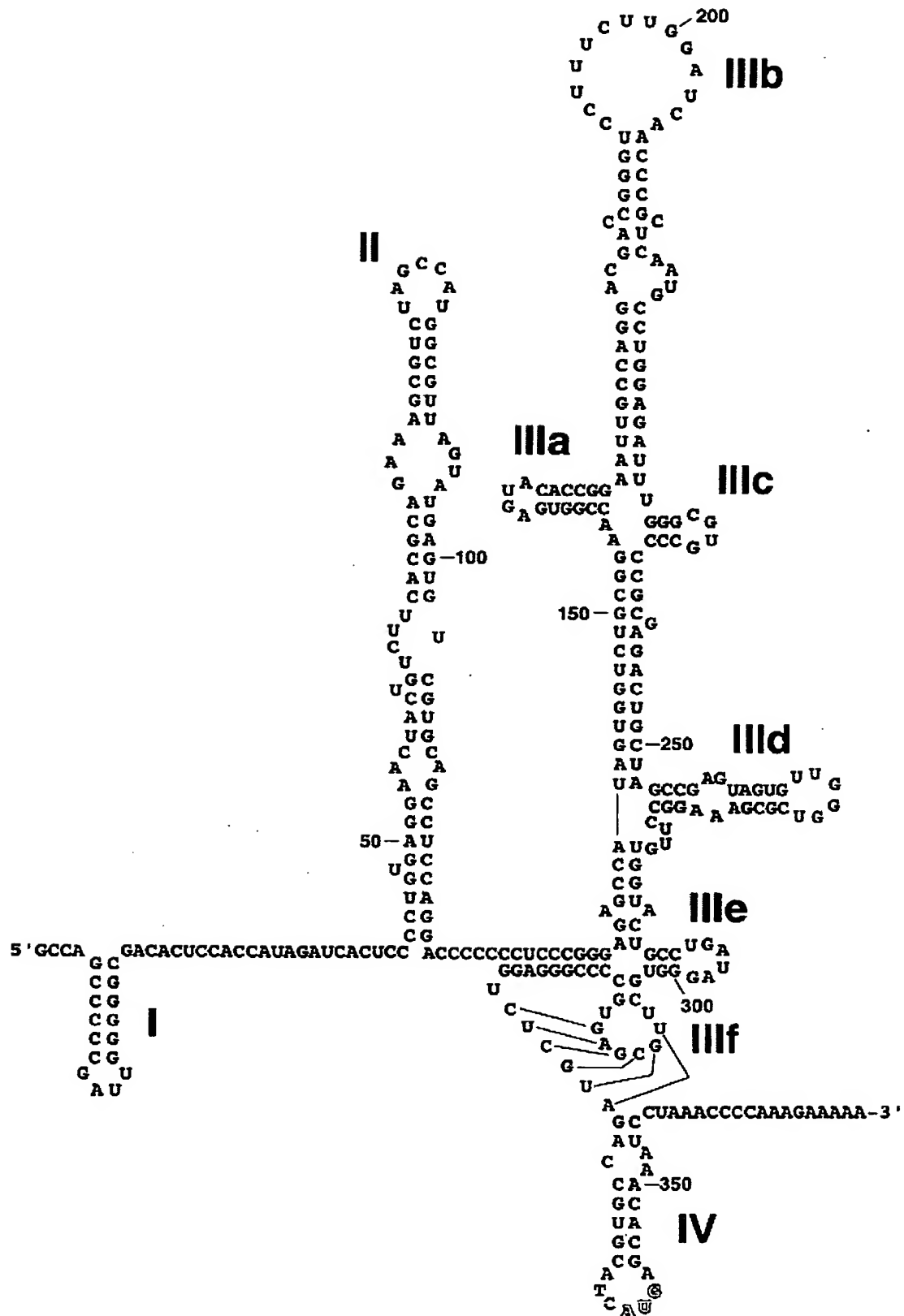


Fig. 2

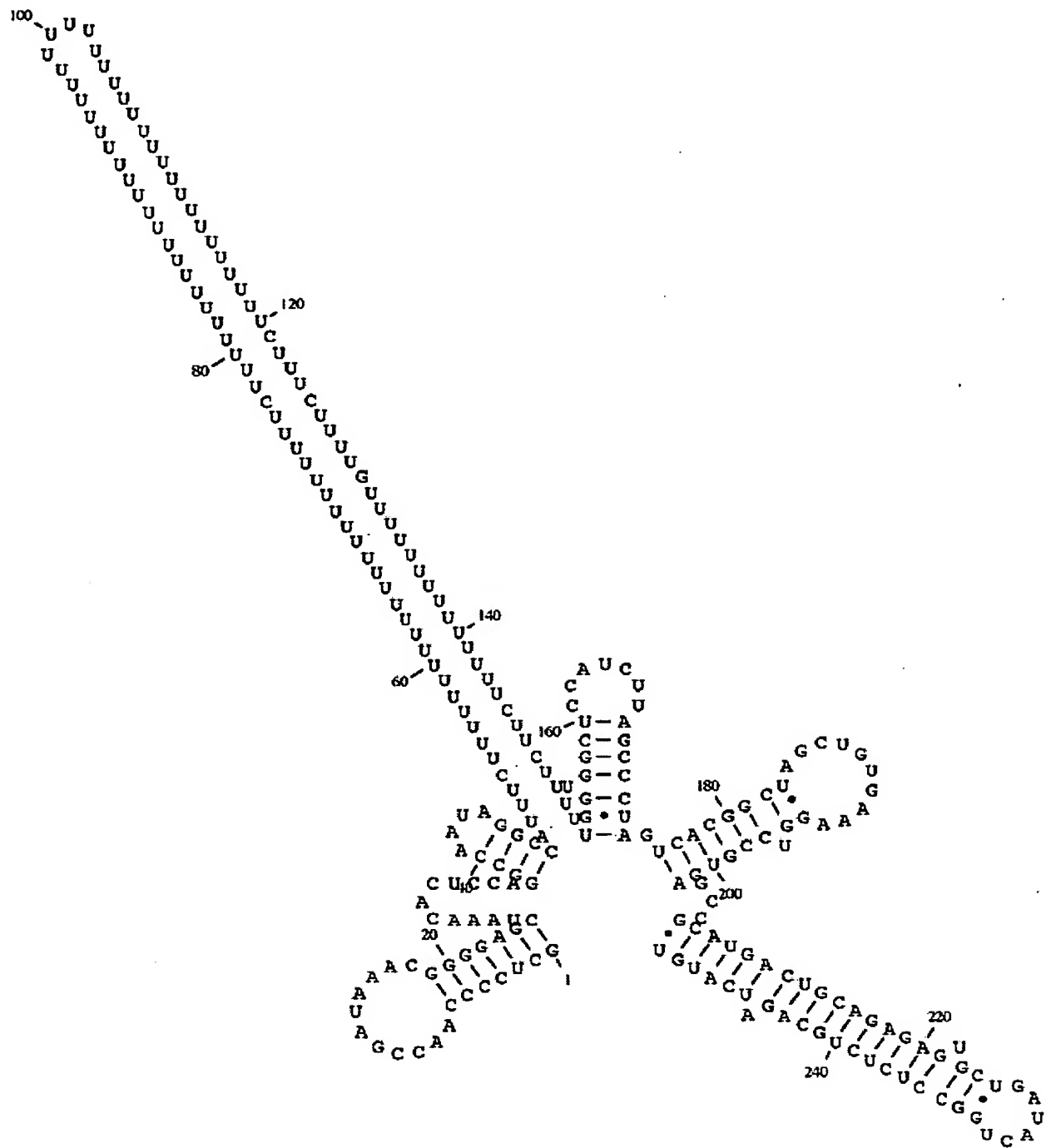


Fig. 3A

HCV-1

GCCAGCCCCCTGATGGGGGCGACACTCCACCATGAATCACTCCCCTGTGAGGAACTACTGTCTTCACGCA
GAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGTCAGCCTCCAGGACCCCCCTCCCGGGAGAGCCA
TAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGGATCAACCCG
CTCAATGCCTGGAGATTTGGGCGTGCCCCGCAAGACTGCTAGCCGAGTAGTGTGGGTGCGGAAAGGCC
TTGTGGTACTGCCTGATAGGGTGCTTGCAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACG
AATCCTAAACCTCAAAAAAAAAACAAACGTAACACCAACCGTCGCCCACAGGACGTCAAGTTCCCGGGTG
GCGGTCAGATCGTTGGTGGAGTTTACTTGTGCGCGCAGGGGCCCTAGATTGGGTGTGCGCGGACGAG
AAAGACTTCC (SEQ ID No.1)

HCV-BK

CGATTGGGGGCGACACTCCACCATAGATCACTCCCCTGTGAGGAACTACTGTCTTCACGCAGAAAGCGTC
TAGCCATGGCGTTAGTATGAGTGTCTGTCAGCCTCCAGGACCCCCCTCCCGGGAGAGCCATAGTGGTCT
GCGGAACCGGTGAGTACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGGATCAACCCGCTCAATGCC
TGGAGATTTGGGCGTGCCCCGCGAGACTGCTAGCCGAGTAGTGTGGGTGCGGAAAGGCCTTGTGGTAC
TGCCTGATAGGGTGCTTGCAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACGAATCCTAAA
CCTCAAAGAAAAACCAACGTAACACCAACCGCCGCCACAGGACGTCAAGTTCCCGGGCGGTGGTCAGA
TCGTTGGTGGAGTTTACCTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGCCCAGGAAGACTTC
CGAGCGGTCG (SEQ ID No.2)

HCV-J

TTGGGGGCGACACTCCACCATAGATCACTCCCCTGTGAGGAACTACTGTCTTCACGCAGAAAGCGTCTAG
CCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGGACCCCCCTCCCGGGAGAGCCATAGTGGTCTGCG
GAACCGGTGAGTACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGGATCAACCCGCTCAATGCCTGG
AGATTTGGGCGTGCCCCGCGAGACTGCTAGCCGAGTAGTGTGGGTGCGGAAAGGCCTTGTGGTACTGC
CTGATAGGGTGCTTGCAGTGCCCCGGGAGGTCTCGTAGACCGTGCATCATGAGCACAAATCCTAAACCT
CAAAGAAAAACCAACGTAACACCAACCGCCGCCACAGGACGTTAAGTTCCCGGGCGGTGGTCAGATCG
TTGGTGGAGTTTACCTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACTAGGAAGACTTCCGA
GCGGTCGCAA (SEQ ID No.3)

Fig. 3B

R6

GGGCCAGCCCCGATTGGGGGCGACACTCCACCATAGATCACTCCCCTGTGAGGAACTACTGTCTTCACG
CAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCGTGCAGCCTCCAGGACCCCCCTCCCGGGAGAGC
CATAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCAGGACGACCGGGTCCTTTCTTGATCAACC
CGCTCAATGCCTGGAGATTTGGGCGTGCCCCGCGAGACTGCTAGCCGAGTAGTGTTGGGTCGCGAAAGG
CCTTGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCATCATGAGCA
CAAATCCCAAACCCCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACGTCAAGTTCCCGGG
TGGTGGTCAGATCGTTGGTGGAGTTTACCTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACT
AGGAAGACTT (SEQ ID No.4)

R24

ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAACTACTGTCTTCACGCA
GAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCGTACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCA
TAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACCGGGTCCTTTCTTGATAAACCCG
CTCTATGCCCGGCCATTTGGGCGTGCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCC
TTGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACA
AATCCTAAACCTCAAAGAAAAACCCAAAGAAACACTAACCGTCGCCACAAGACGTTAAGTTTCCGGGGC
GCGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGTAGGGGCCCCAGATTGGGTGTGCGCACAGCAAG
GAAGACTTCG (SEQ ID No.5)

S14J

ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAACTACTGTCTTCACGCA
GAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCGTACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCA
TAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACTGGGTCTTTCTTGATAAACCCA
CTCTATGCCCGGCCATTTGGGCGTGCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCC
TTGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACA
AATCCTAAACCTCAAAGAAAAACCCACAGAAACACTAACCGTCGCCACAAGACGTTAAGTTTCCGGGGC
GCGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGGGGCCCTAGATTGGGTGTGCGCACGACAAG
GAAGACTTCG (SEQ ID No.6)

Fig. 3C

HCJ6

ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAACCACTCCCCTGTGAGGAAGTACTGTCTTCACGCAG
AAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCAT
AGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACTGGGTCCCTTTCTTGGATAAAACCCAC
TCTATGCCCCGGTCATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCCT
TGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACAA
ATCCTAAACCTCAAAGAAAAACCAAAAGAAACACCAACCGTCGCCCACAAGACGTTAAGTTTCCGGGCGG
CGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACAAGG
AAGACTTCGG (SEQ ID No.7)

JFH1

ACCTGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAAGTACTGTCTTCACGCAG
AAAGCGCCTAGCCATGGCGTTAGTATGAGTGTCTGACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCAT
AGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACTGGGTCCCTTTCTTGGATAAAACCCAC
TCTATGCCCCGGCCATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCCT
TGTGGTACTGCCTGATAGGGCGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACAA
ATCCTAAACCTCAAAGAAAAACCAAAAGAAACACCAACCGTCGCCCAGAAGACGTTAAGTTCCCGGGCGG
CGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCACGACAAGG
AAACTTCGG (SEQ ID No.8)

JCH1

ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAAGTACTGTCTTCACGCA
GAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCA
TAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACTGGGTCCCTTTCTTGGATAAAACCCA
CTCTATGCCCCGGCCATTTGGGCGTGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCC
TTGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACA
AATCCTAAACCTCAAAGAAAAACCCACAGAAACACTAACCGTCGCCCACAAGACGTTAAGTTTCCGGGCG
GCGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGGGGCCCCAGATTGGGTGTGCGCACGACAAG
GAAGACTTCG (SEQ ID No.9)

Fig. 3D

JCH3

ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAACTACTGTCTTCACGCAG
AAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCAT
AGTGGTCTGCGGAACCGGTGAGTACACCGGAATTGCCGGGAAGACTGGGTCCTTTCTTGGATAAAACCCAC
TCTATGCCCCGGCCATTTGGGCGTGCCCCCGCAAGACCGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCCCT
TGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCACCATGAGCACAA
ATCCTAAACCTCAAAGACAAACCAAAAGAAACACCAGCCGTCGCCCACAAGACGTTAGGTTTCCGGGCGG
CGGCCAGATCGTTGGCGGAGTATACTTGTTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACAAGG
AAGACTTCGG (SEQ ID No.10)

HCJ8

GCCCCCCCCCTGATGGGGGCGACACTCCGCCATGAATCACTCCCCTGTGAGGAACTACTGTCTTCACGCA
GAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTCTGACAGCCTCCAGGCCCCCCCCCTCCCGGGAGAGCCA
TAGTGGTCTGCGGAACCGGTGAGTACACCGGAATTACCGGAAAGACTGGGTCCTTTCTTGGATAAAACCCA
CTCTATGTCCGGTCATTTGGGCACGCCCCCGCAAGACTGCTAGCCGAGTAGCGTTGGGTTGCGAAAGGCC
TTGTGGTACTGCCTGATAGGGTGCTTGCGAGTGCCCCGGGAGGTCTCGTAGACCGTGCATCATGAGCACA
AATCCTAAACCTCAAAGAAAAACCAAAAGAAACACAAACCGCCGCCACAGGACGTTAAGTTCCCGGGTG
GCGGTCAGATCGTTGGCGGAGTTTACTTGCTGCCGCGCAGGGGCCCCAGGTTGGGTGTGCGCGCGACAAG
GAAGACTTCT (SEQ ID No.11)

Fig. 4A

Hcv-1.nc	1	--GCCAGCCCCCTGATGGGGGCGACACTCCACCATGATCACTCCCTGTTGAGGAACTAC	58
Hcv-bk.nc	1	-----CGATGGGGGCGACACTCCACCATAGATCACTCCCTGTTGAGGAACTAC	49
Hcv-j.nc	1	-----TTGGGGGCGACACTCCACCATAGATCACTCCCTGTTGAGGAACTAC	46
R6.nc	1	GGGCAGCCCCCGATGGGGGCGACACTCCACCATAGATCACTCCCTGTTGAGGAACTAC	60
R24.nc	1	--ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	58
S14j.nc	1	--ACCCGCCCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	58
Hcj6.nc	1	ACCCGCCCTAATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTACTGT	60
Jfh1.nc	1	--ACCTGCCCTA-ATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	57
Jch1.nc	1	--ACCCGCCCTA-ATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	57
Jch3.nc	1	--ACCCGCCCTA-ATAGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	57
Hcj8.nc	1	--GCCCGCCCCCTGATGGGGGCGACACTCCGCCATGAATCACTCCCTGTTGAGGAACTAC	58
Hcv-1.nc	59	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	118
Hcv-bk.nc	50	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	109
Hcv-j.nc	47	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	106
R6.nc	61	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	120
R24.nc	59	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	118
S14j.nc	59	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	118
Hcj6.nc	61	CTTCACGCAAGTACCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGGCC	120
Jfh1.nc	58	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	117
Jch1.nc	58	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	117
Jch3.nc	58	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	117
Hcj8.nc	59	TGCTTTACGCGAGAAAGCGTCTAGCCATGGCGTTAGTATGAGTGTGTCAGCCTCCAGG	118
Hcv-1.nc	119	ACCCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	178
Hcv-bk.nc	110	ACCCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	169
Hcv-j.nc	107	ACCCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	166
R6.nc	121	ACCCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	180
R24.nc	119	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	178
S14j.nc	119	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	178
Hcj6.nc	121	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCCGG	180
Jfh1.nc	118	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	177
Jch1.nc	118	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	177
Jch3.nc	118	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	177
Hcj8.nc	119	CCCCCTCCCGGAGAGCCATAGTGGTCTGCGGAACCGGTGAGTACACCCGGAATTGCC	178

Fig. 4B

Hcv-1.nc	179	AGGACGACGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	238
Hcv-bk.nc	170	AGGACGACGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	229
Hcv-j.nc	167	AGGACGACGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	226
R6.nc	181	AGGACGACGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	240
R24.nc	179	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	238
S14j.nc	179	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	238
Hcj6.nc	181	AAGACTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	240
Jfh1.nc	178	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	237
Jch1.nc	178	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	237
Jch3.nc	178	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	237
Hcj8.nc	179	GGGAGAGCTGGGTCTTCTTGGATGAACCGCTCAATGCGTGGACATTTGGGGGTGCCC	238
Hcv-1.nc	239	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	298
Hcv-bk.nc	230	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	289
Hcv-j.nc	227	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	286
R6.nc	241	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	300
R24.nc	239	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	298
S14j.nc	239	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	298
Hcj6.nc	241	CAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATAGGG	300
Jfh1.nc	238	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	297
Jch1.nc	238	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	297
Jch3.nc	238	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	297
Hcj8.nc	239	CCGPAAGACTGCTAGCCGAGTAGTGTGGGTGCGAAAGGCCCTTGTGGTACTGCCTGATA	298
Hcv-1.nc	299	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	358
Hcv-bk.nc	290	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	349
Hcv-j.nc	287	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	346
R6.nc	301	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	360
R24.nc	299	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	358
S14j.nc	299	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	358
Hcj6.nc	301	TGGTTCGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAAACC	360
Jfh1.nc	298	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	357
Jch1.nc	298	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	357
Jch3.nc	298	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	357
Hcj8.nc	299	GGGTGCTTGGAGTGCCCGGAGGTCTCGTAGACCGTGCAACATGAGCACGAAATCCTAA	358

Fig. 4C

Hcv-1.nc	359	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	418
Hcv-bk.nc	350	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	409
Hcv-j.nc	347	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	406
R6.nc	361	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	420
R24.nc	359	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	418
S14j.nc	359	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	418
Hcj6.nc	361	TCAAGAAACCAAAAGAAACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	420
Jfh1.nc	358	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	417
Jch1.nc	358	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	417
Jch3.nc	358	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	417
Hcj8.nc	359	ACCTCAAAAGAAAAAACAACGTAACACCAACCGTCGCCCCACAGGACGTCAGTTCCCGGG	418
Hcv-1.nc	419	TGGCGGTCAGATCGTTGGTGGAGTTTACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	478
Hcv-bk.nc	410	CGGTGGTCAGATCGTTGGTGGAGTTTACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	469
Hcv-j.nc	407	CGGTGGTCAGATCGTTGGTGGAGTTTACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	466
R6.nc	421	TGGTGGTCAGATCGTTGGTGGAGTTTACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	480
R24.nc	419	CGCGGGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	478
S14j.nc	419	CGCGGGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	478
Hcj6.nc	421	CGCGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	480
Jfh1.nc	418	CGCGGGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	477
Jch1.nc	418	CGCGGGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	477
Jch3.nc	418	CGCGGGCCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	477
Hcj8.nc	419	TGGCGGTCAGATCGTTGGCGGGAGTATACCTTGTTGCCCGCGGAGGGGCCCTAGATTGGGTGT	478
Hcv-1.nc	479	GCGCGGACCGAGAAAGACTTTCC-----	500
Hcv-bk.nc	470	GCGCGGACCGAGAAAGACTTTCCGAGCGGTCC-----	500
Hcv-j.nc	467	GCGCGGACCTAGGAAGACTTTCCGAGCGGTCCGAA-----	500
R6.nc	481	GCGCGGACCTAGGAAGACTTT-----	500
R24.nc	479	GCGCAACGACAGGAAGACTTTCC-----	500
S14j.nc	479	GCGCAACGACAGGAAGACTTTCC-----	500
Hcj6.nc	481	GCGCAACGACAGGAAGACTTTCCG-----	500
Jfh1.nc	478	GCGCAACGACAGGAAGACTTTCCG-----	500
Jch1.nc	478	GCGCGGACAGGAAGCGTTCCG-----	500
Jch3.nc	478	GCGCGGACAGGAAGACTTTCCG-----	500
Hcj8.nc	479	GCGCGGACAGGAAGACTTTCT-----	500

Fig. 5A

p H77J6S

GCGTGTCTCATGCCCCGGCCCCGCTGGTTCTGGTTTTGCCTACTCCTGCTCGCTGCAGGGGTAGGCATCTA
CCTCCTCCCCAACCGATGAAGGTTGGGGTAAACACTCCGGCCTCTTAAGCCATTTCTGTTTTTTTTTTT
TTTTTTTTTTTTTTTTTCTTTTTTTTTTCTTTCCCTTCTTTTTTCCCTTCTTT
AATGGTGGCTCCATCTTAGCCCTAGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGA
GTGCTGATACTGGCCTCTCTGCAGATCATGT (SEQ ID No.12)

R6

GTCCAGCTGGTTCGTGGCTGGTTACAGCGGGGAGACATATATCACAGCCTGTCTCGTGCCCGACCCCGC
TGGTTCATGTTGTGCCTACTCTACTTTTCTAGTAGGGGTAGGCATCTACCTGCTCCCCAACCGATAAACGG
GGAGCTAAACACTCCAGGCCAATAGGCCATTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTCTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
CCATCTTAGCCCTAGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGAGTGCTGATAC
TGGCCTCTCTGCAGATCATGT (SEQ ID No.13)

R24L

TGGGCGGTGAAGACCAAGCTCAAACACTCACTCCATTGCCGGAAGCGCGCCTCCTGGATTTATCCAGCTGGT
TCACTGTGCGCGCCGGCGGGGGCGACATTTATCACAGCGTGCCGCGTGCCCGACCCCGCTTATTACTCCT
TGGCCTACTCCTACTTTTTGTAGGGGTAGGCCTTTTCTACTCCCCGCTCGGTAGAGCGGCACACATTAG
CTAACTCCATAGCTAACTGTCCCTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTGTTCCTTTCTCATTTCCTTCTTATCTTAATTACTTCCTTTCTGGTGGCTCC
ATCTTAGCCCTAGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGATTGCCGTAACGT
GTATCTCTGCAGATCATGT (SEQ ID No.14)

R24S

CCTGGATTTATCCAGCTGGTTCCTGTCGCGCGCGGGCGGGGGCGACATTTATCACAGCGTGCCGCGTGCC
CGACCCCGCTTATTACTCCTTGGCCTACTCCTACTTTTTGTAGGGGTAGGCCTTTTCTACTCCCCGCTC
GGTAGAGCGGCACACATTAGCTAACTCCATAGCTAACTGTCCCTTTTTTTTTTTTTTTTTTTTTTTTTTT
CCTTCTCATTTCCTTCTTATCTTAATTACTTTCTTTCTGGTGGCTCCATCTTAGCCCTAGTCACGGCTA
GCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGATTGCCGTAACGTGGTATCTCTGCAGATCATGT
(SEQ ID No.15)

Fig. 5B

HCJ6CH

TTTATCCAGTTGGTTTACCGTCGGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGGTGCCCCGACCC
CGCTTATTACTCCTTAGCCTACTCCTACTTTTCGTAGGGGTAGGCCTCTTTTACTCCCCGCTCGGTAGA
GCGGCACACATTAGCTACACTCCATAGCTAACTGTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTCCTTCTCCTTTCTCACCTTCTTTTACTTCT
TTCCTGGTGGCTCCATCTTAGCCCTAGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGA
GAGTGCCGTA (SEQ ID No.16)

JFH1

GGACTTATCCAGTTGGTTCACCGTCGGCGCCGGCGGGGGCGACATTTTTCACAGCGTGTGCGCGCCCCGA
CCCCGCTCATTACTCTTCGGCCTACTCCTACTTTTCGTAGGGGTAGGCCTCTCCTACTCCCCGCTCGGT
AGAGCGGCACACACTAGGTACACTCCATAGCTAACTGTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTCTTCTTCCCTTCTCATCTTATTCTACTTTCTTTCTT
GGTGGCTCCATCTTAGCCCTAGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGAGTG
CCGTAAGTGGTCTCTCTGCAGATCATGT (SEQ ID No.17)

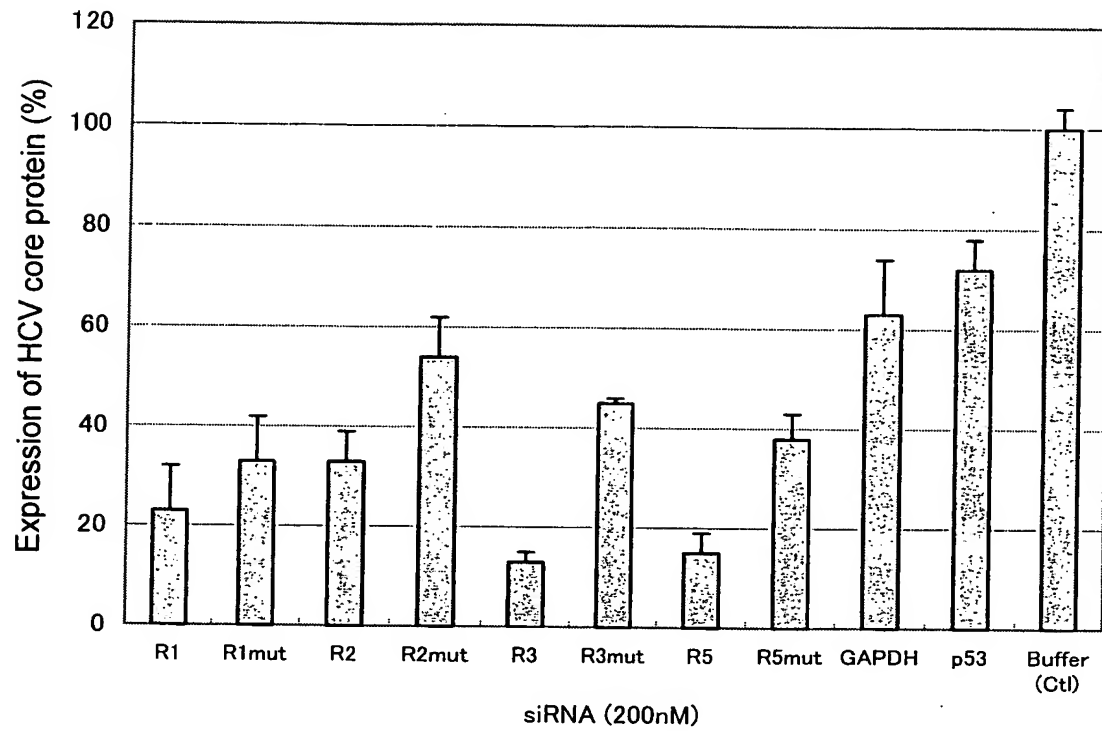
JCH1

GGATTTGTCCAGTTGGTTTACCGTCGGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGGTGCCCCGA
CCCCGCTATTACTCCTTAGCCTACTCCTACTTTCTGTAGGGGTAGGCCTCTCCTACTCCCCGCTCGAT
AGAGCGGCACACATTAGCTACACTCCATAGCTAACTGTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTCTTTTTTTTTTTTTTTTTTCCCTCTTCTTCCCTTCTCATCTTATTCTACTTTCTTTCTTGGTG
GCTCCATCTTAGCCCTGGTCACGGCTAGCTGTGAAAGGTCCGTGAGCCGCATGACTGCAGAGAGTGCCGT
AACTGGTCTCTCTGCAGATCATGT (SEQ ID No.18)

2b_AB030907

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ATGT (SEQ ID No.19)

Fig. 6



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Fig. 7

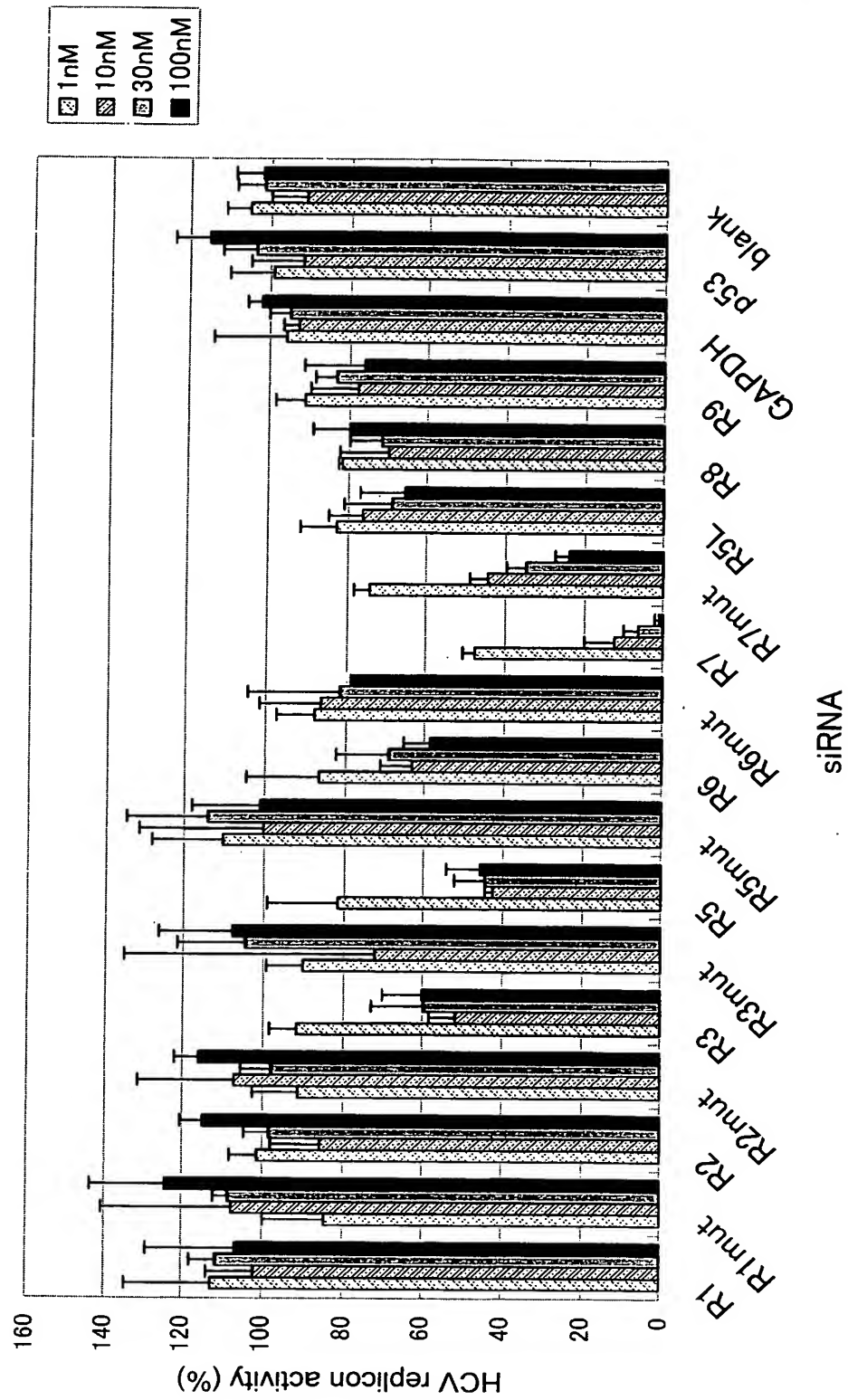


Fig. 8

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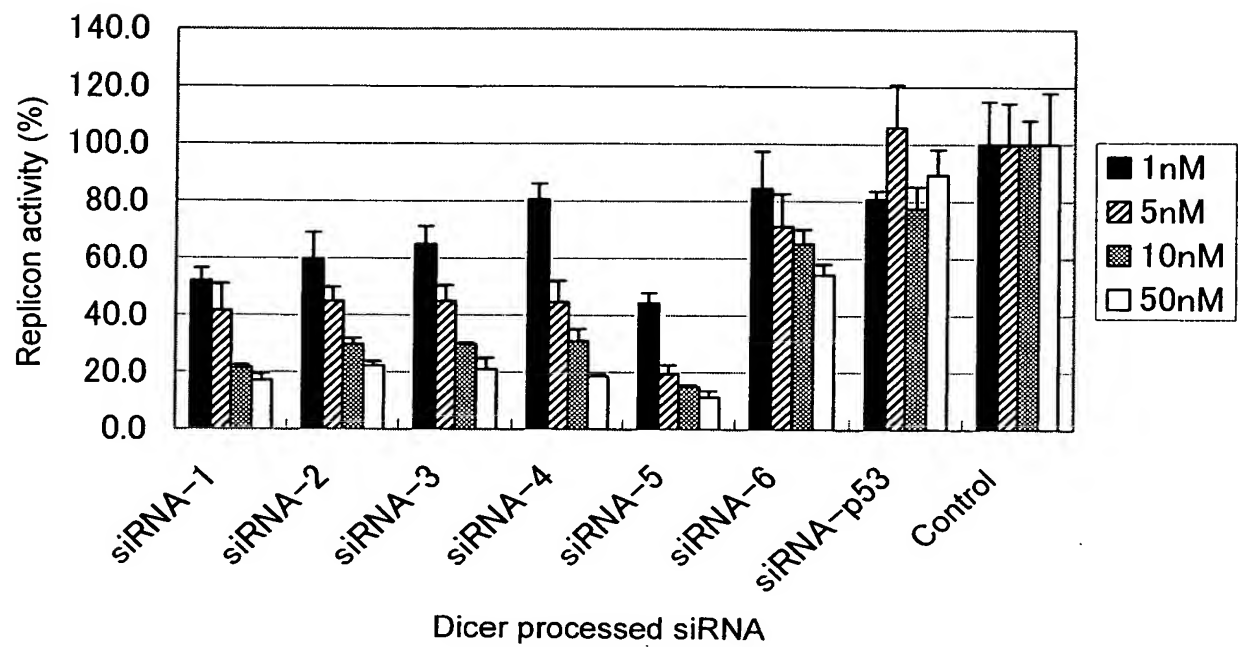


Fig. 9

